

# Tyrone Camarero Specifications

# Tyrone

## Camarero DSA72NGAO-46RT

### Key features

High Performance Computing, AI / Deep Learning  
Supports up to 8 NVIDIA® HGX™ A100 GPUs; Highest GPU Communication using NVIDIA® NVLINK™ + NVIDIA® NVSwitch™; 8 NIC for GPU Direct RDMA (1:1 GPU Ratio)  
Supports HGX A100 8-GPU 40GB (HBM2) or 80GB (HBM2e) with NVLink/NVSwitch GPU interconnect and PCI-E Gen4 host CPUs

- Dual AMD EPYC™ 7003/7002 Series Processors (7003 Series Processor drop-in support requires BIOS version 2.0 or newer) Socket SP3, Supports CPU TDP up to 280W, Up to 128 Cores (64 per CPU)
- System on Chip (SoC)
- 32 DIMM slots, Up to 8TB 3DS ECC DDR4-3200MH RDIMM/LRDIMM
- 8 PCI-E 4.0 x16 via PCI-E switch, 1 PCI-E 4.0 x16 LP and 1 PCI-E 4.0 x8 LP via CPUs
- 6 hot-swap U.2 NVMe 2.5" drive bays (4 via PCI-E switch, 2 via CPU, SATA/NVMe Hybrid or SAS with optional HBA) (up to 10 hot-swap U.2 NVMe 2.5" available)"
- Flexible Networking via AIOM, 1 dedicated IPMI LAN Port
- 4 Hot-swap heavy-duty cooling fans
- 2200W Redundant Power Supply / 3000W Redundant Power Supply



### Processor/Cache

**Processor** Dual AMD EPYC™ 7003/7002 Series Processors (7003 Series Processor drop-in support requires BIOS version 2.0 or newer) Socket SP3, Supports CPU TDP up to 280W, Up to 128 Cores (64 per CPU)

### Chipset

**Chipset** System on Chip

### System Memory

**Memory Capacity** 32 DIMM slots, Up to 8TB 3DS ECC DDR4-3200MH RDIMM/LRDIMM

### Expansion Slots

**PCI-Express** 8 PCI-E 4.0 x16 via PCI-E switch, 1 PCI-E 4.0 x16 LP and 1 PCI-E 4.0 x8 LP via CPUs

### Integrated Onboard

**SATA** 4 SATA3 (6Gbps) ports  
**LAN** Provided by AIOM, 1 RJ45 Dedicated IPMI LAN port

### Add-on Options

**Raid Card:** Optional  
**Optical Drive:** None

### Drive Bays

6 hot-swap U.2 NVMe 2.5" drive bays (4 via PCI-E switch, 2 via CPU, SATA/NVMe Hybrid or SAS with optional HBA) (up to 10 hot-swap U.2 NVMe 2.5" available)"

### Power Supply

2200W Redundant Power Supply / 3000W Redundant Power Supply

### Cooling System

4 x Hot-swap 11.5K RPM heavy duty fans

### Form Factor

**Form Factor** 4U Rackmount  
**Dimensions** Height : 6.9" (174mm), Width : 17.6" (446mm), Depth: 35.4" (900mm)

**Email : [info@tyronesystems.com](mailto:info@tyronesystems.com)**

**For more/current product information, visit [www.tyronesystems.com](http://www.tyronesystems.com)**